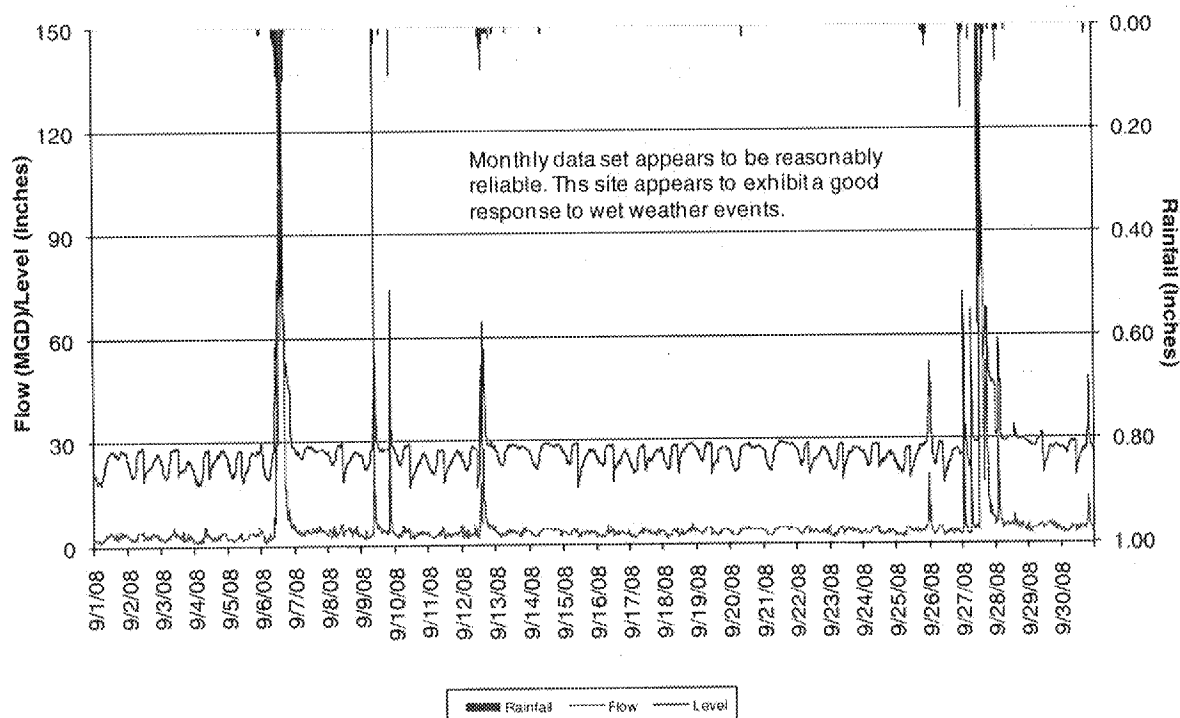


N-DB

Site N-DB is located in the North drainage basin on the 120-inch combined sewer line at the debris box upstream of the North Pumping Station. Data from this meter can be considered reliable because almost all field points taken at the site verify monitored data. This site has also exhibited a strong response to wet weather events. During the months of August and September there is evidence that the debris box briefly surcharged three times, all in response to storm events. Full pipe flow was calculated to have a velocity around 2.8 ft/s which falls well within the range of accepted values; therefore, readings taken during these storm events were found to be acceptable. The peak flows measured at this site are consistently lower than the peak flows measured at the City's permanent CSO weir meter. The inlet/outlet control hydraulics of the 120-inch outfall need to be investigated.

City of Lancaster Flow Monitoring Program
Time Series Plot of QAQC Data (September 2008)
120" line at the Debris Box u/s of NPS (Site N-DB)



Monthly Summary

Monitoring Site	Peak 15-min Flow (MGD)				Peak Hourly Flow (MGD)			
	July	August	September	October	July	August	September	October
N-DB	149.800	128.500	157.400	98.840	96.020	60.612	131.165	71.773
	Peak Daily Flow (MGD)				Average Monthly Flow (MGD)			
	July	August	September	October	July	August	September	October
	13.805	8.717	24.557	13.896	4.398	3.535	5.446	4.467

8-Month Summary

Monitoring Site	Max Peak Hourly Flow (MGD)	8-Month Average Flow (MGD)	Peaking Factor
N-DB	131.165	4.618	28.4